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## ABSTRACT

This volume examines the teaching of statistics in the whole range of education, but concentrates on primary and secondary schools. It is based upon selected topics from the Second International Congress on Teaching Statistics (ICOTS 2), convened in Canada in August 1986. The contents of this volume divide broadly into four parts: statistics in primary education; statistics in secondary education; theoretical concepts; and two case studies. Part 1 comprises four contributions, three of them based on discovery. The fourth is a comparative study of what is currently taught to children in the age range of 5 to 11 years in Canada, the United Kingdom, and the United States. Part 2 provides an account of recent developments in the teaching of statistics in Australia, the Federal Republic of Germany, the Netherlands, and the United States. Part 3 of the volume is a collection of four contributions for the consideration of teachers in the collection and representation of data. Two case studies make up Part 4. The first describes the competition for the annual statistics prize in the United Kingdom and the second is a wide-ranging account of the growth of the teaching of probability and statistics in Italian schools. There is also a personal view by Ed Jacobsen called "Why in the World Should We Teach Statistics?" and a history of the teaching of statistics by Maria Gabriella Ottaviani, devoted to the growth of statistics in the universities of Europe and the Americas. (KR)

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